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فعالیت های اجرایی:

۱. معاونت پژوهشی و اجرایی دانشکده علوم دانشگاه رازی آذرماه ۹۳ تا آذرماه ۹۶
۲. عضو کمیته منتخب دانشکده علوم دانشگاه رازی از اسفند ۹۴ تا کنون
۳. عضو کارگروه توانایی های علمی گروه ریاضی دانشگاه رازی از تیرماه ۹۴ تا کنون
۴. دبیر کمیته منتخب دانشکده علوم از ۹۳ تا ۹۶
۵. معاونت پژوهشی و اجرایی دانشکده علوم دانشگاه رازی مهر ماه ۱۴۰۱ تا کنون
۶. دبیر کمیته منتخب دانشکده علوم از ۱۴۰۱ تا اکنون

Papers:

[119] P. Taghiei Karaji, N. Nyamoradi, B. Ahmad, "Stability and bifurcations of an SIR model with a nonlinear incidence rate", Mathematical Methods in the Applied Sciences, (2023) Doi:[10.1002/mma.9155](https://doi.org/10.1002/mma.9155)

- [118] Cesar Torres, N. Nyamoradi, ““(k,ψ)-Hilfer impulsive variational problem”, *Rev.Real Acad.Cienc.ExactasFis.Nat.Ser.A-Mat.* (2023) 117:42
<https://doi.org/10.1007/s13398-022-01377-4>
- [117] J. Vanterler da C. Sousa, Nemat Nyamoradi, M. Lamine, Nehari manifold and fractional Dirichlet boundary value problem ", *Analysis Mathematical Physics* (2022) 12:143 <https://doi.org/10.1007/s13324-022-00754-x>
- [116] N. Nyamoradi, Bashir Ahmad, “Generalized Fractional Differential Systems with Stieltjes Boundary Conditions", *Qualitative Theory of Dynamical Systems* (2023) 22:6
<https://doi.org/10.1007/s12346-022-00703-w>
- [115] Ali Bakhshalizadeh, N. Nyamoradi, “On Hilbert’s 16th Problem for Some Discontinuous Piecewise Differential Systems", *International Journal of Bifurcation and Chaos*, Vol. 32, No. 11 (2022) 2250161.
- [114] Iraj Dehsari, N. Nyamoradi, “Ground states solutions for a modified generalized Choquard fractional Schrödinger equation", *Complex Variables and Elliptic Equations* (2022) doi: 10.1080/17476933.2022.2107633.
- [113] R. Ezati, N. Nyamoradi, “Existence and multiplicity of solutions to a ψ-HILFER fractional p -Laplacian equations", *Asian-European Journal of Mathematics*, (2022) doi: [10.1142/S1793557123500456](https://doi.org/10.1142/S1793557123500456).
- [112] Iraj Dehsari, N. Nyamoradi, “ Ground States Solutions for a Modified Fractional Schrödinger Equation with a Generalized Choquard Nonlinearity", *J. Contemporary Math. Anal.* 57(3) (2022) 131–144.
- [111] N. Nyamoradi, Sotiris K. Ntouyas, Jessada Tariboon, Existence and Uniqueness of Solutions for Fractional Integro-Differential Equations Involving the Hadamard Derivatives", *Mathematics*, 10 (22) 3068.
- [110] Cesar Torres, N. Nyamoradi, ““(k,ψ)-Hilfer variational problem", *Journal of Elliptic and Parabolic Equations*, (2022), doi:10.1007/s41808-022-00173-w.
- [109] N. Nyamoradi, V. Ambrosio, “Existence and non-existence results for fractional Kirchhoff Laplacian problems", *Anal. Math. Physics* (2021) 11:125
 Doi: 10.1007/s13324-020-00435-7.

- [108] R. Ezati, N. Nyamoradi, "Existence of solutions to a Kirchhoff ψ -Hilfer fractional p -Laplacian equations", *Math. Meth. Appl. Sci.*, (2021) doi: 10.1002/mma.7593.
- [107] S. Amiri, N. Nyamoradi, A. Behzadi, V. Ambrosio, "Existence and multiplicity of positive solutions to fractional Laplacian systems with combined critical Sobolev terms", *Positivity*, , (2021) doi: 10.1007/s11117-021-00822-9.
- [106] I. Dehsari, N. Nyamoradi, "Solutions for the fractional p -Laplacian systems with several critical Sobolev-Hardy terms", *Differ. Equat. Appl.*, 13 (1) (2021), 15–33.
- [105] N. Nyamoradi, A. Razani, "Existence to Fractional Critical Equation with Hardy-Littlewood-Sobolev Nonlinearities", *Acta Mathematica Scientia*, (2021), 41B(4): 1321–1332.
- [104] V. N. Deiva Mani, S. Marshal Anthoni, N. Nyamoradi, "Solvability of Solid Tumor Invasion Model", *Results Math.*, (2021) 76:39.
- [103] P. Taghiei Karaji, N. Nyamoradi, "Analysis of a Virus Model with Cure Rate, General Incidence Function and Time Delay", *Iran J. Sci. Technol. Trans. Sci.*, 45 (2021) 661–668.
- [102] A.A. Nori, N. Nyamoradi, N. Eghbali, "Multiplicity of Solutions for Kirchhoff Fractional Differential Equations Involving the Liouville-Weyl Fractional Derivatives", *J. Contemp. Math. Anal.*, 55 (2020) 13-31.
- [101] P.T. Sowndarrajan, N. Nyamoradi, L. Shangeranesh, J. Manimaran, "Mathematical analysis of an optimal control problem for the predator-prey model with disease in prey", *Optim. Control Appl. Meth.*, (2020) doi: 10.1002/oca.2611.
- [100] H. Alsulami, M. Kirane, S. Alhodily, T. Saeed, N. Nyamoradi, "Existence and multiplicity of solutions to fractional p -Laplacian systems with concave-convex

- nonlinearities", *Bulletin of Mathematical Sciences*, 10 (1) (2020) 2050007, doi: 10.1142/S1664360720500071.
- [99] N. Nyamoradi, M. Kirane, "Existence of solutions of fractional p -Laplacian systems with different critical Sobolev-Hardy exponents", *Math. Meth. Appl Sci.*, (2020) doi: 10.1002/mma.6691.
- [98] P. Taghiei Karaji, N. Nyamoradi, "Analysis of a fractional SIR model with General incidence function", *Appl. Math. Letter*, 108 (2020) 106499.
- [97] S. Rastegarzadeh, N. Nyamoradi, " **Existence of positive solutions for Hardy nonlocal fractional elliptic equations involving critical nonlinearities** ", **TOPOLOGICAL METHODS IN NONLINEAR ANALYSIS** 53 (2)(2019) .
- [96] N. Nyamoradi, S. Tersian "Existence of solutions for nonlinear fractional order p -Laplacian differential equations via critical point theory", *Fract. Cal. Appl. Anal.* 22 (2019) 945-967
- [95] L. Shangerganesh , N. Nyamoradi, G. Sathishkumar, S. Karthikeyan "Finite-time blow-up of solutions to a cancer invasion mathematical model with haptotaxis effects", *Computers and Mathematics with Applications* 77 (2019) 2242-2254
- [94] Somayeh Rastegarzadeh, Nemat Nyamoradi and Vincenzo Ambrosio "Existence and multiplicity of solutions for Hardy nonlocal fractional elliptic equations involving critical nonlinearities", *Journal of Fixed Point Theory and Applications*, Doi: 10.1007/s11784-018-0653-z.
- [93] L. Shangerganesh , N. Nyamoradi, V.N. Deiva Mani, S. Karthikeyan "On the existence of weak solutions of nonlinear degenerate parabolic system with variable exponents", *Computers and Mathematics with Applications* 75 (2018) 322–334
- [92] Elham Tayyebi and Nemat Nyamoradi, "Existence of nontrivial solutions for Kirchhoff type fractional differential equations with Liouville-Weyl fractional derivatives", *J. Nonlinear Funct. Anal.* 2018 (2018), Article ID 19.
- [91] N. Nyamoradi, Y. Zhou, E. Tayyebi, B. Ahmad and A. Alsaedi "Nontrivial Solutions for Time Fractional Nonlinear Schrödinger-Kirchhoff Type Equations" *Discrete Dynamics in Nature and Society*, (2017), Article ID 9281049, 9 pages, <https://doi.org/10.1155/2017/9281049>
- [90] Nemat Nyamoradi, Yong Zhou, Bashir Ahmad, Ahmed Alsaedi; "*Variational methods for Kirchhoff type problems with tempered fractional derivative*", *Electronic Journal of Differential Equations*, Vol. 2018 (2018), No. 34, pp. 1-13.

- [89] Nemat Nyamoradi and Elham Tayyebi, "Existence of Solutions for a Class of Fractional Boundary Value Equations with Impulsive Effects via Critical Point Theory ", *Mediterr. J. Math.* (2018) 15:79, <https://doi.org/10.1007/s00009-018-1122-z>
- [88] S. O. Edeki, G. O. Akinlabi, N. Nyamoradi, " Local Fractional Operator for Analytical Solutions of the K(2, 2)-Focusing Branch Equations of Time-Fractional Order" *Int. J. Appl. Comput. Math* (2018) 4:66, <https://doi.org/10.1007/s40819-018-0500-3>
- [87] Nemat Nyamoradi, Lahib Ibrahim Zaidan "Existence and multiplicity of solutions for fractional p-Laplacian Schrödinger–Kirchhoff type equations", *Complex Variables and Elliptic Equations*, 63 (3) (2018)..
- [86] Nemat Nyamoradi, Rosana Rodríguez-López "Multiplicity of solutions to fractional Hamiltonian systems with impulsive effects ", *Chaos, Solitons and Fractals* 102 (2017) 254-263.
- [85] Nemat Nyamoradi, Ahmed Alsaedi, Bashir Ahmad, Yong Zhou," Variational Approach to Homoclinic Solutions for Fractional Hamiltonian Systems", *J Optim Theory Appl* DOI 10.1007/s10957-017-1086-3.
- [84] Nemat Nyamoradi," Existence and Multiplicity of Solutions for Impulsive Fractional Differential Equations", *Mediterr. J. Math.* (2017) 14:85 DOI 10.1007/s00009-016-0806-5.
- [83] Nemat Nyamoradi, Lahib Ibrahim Zaidan," EXISTENCE OF SOLUTIONS FOR DEGENERATE KIRCHHOFF TYPE PROBLEMS WITH FRACTIONAL p-LAPLACIAN", *Electronic Journal of Differential Equations*, Vol. 2017 (2017), No. 115, pp. 1-13..
- [82] Nemat Nyamoradi, Ahmed Alsaedi, Bashir Ahmad, Yong Zhou," Multiplicity of Homoclinic Solutions for Fractional Hamiltonian Systems with Subquadratic Potential", *Entropy* (2017), 19, 50; doi:10.3390/e19020050.
- [81] Nemat Nyamoradi, Nasrin Eghbali, Aliashraf Nouri" On a fractional advection dispersion equation in RN involving a critical nonlinearity", *Tbilisi Mathematical Journal* 10(1) (2017), pp. 285-293.
- [80] César E. Torres Ledesma, Nemat Nyamoradi," **Impulsive fractional boundary value problem with p-Laplace operator**", *J. Appl. Math. Comput.* (2016) DOI 10.1007/s12190-016-1035-6.
- [79] N. Nyamoradi TsingSan HSU "Multiple solutions for weighted nonlinear elliptic system involving critical exponents ", *SCIENCE CHINA Mathematics*, 2015 Vol. 58 No. 1: 161–178.

- [78] N. Nyamoradi, "MULTIPLICITY OF NONTRIVIAL SOLUTIONS FOR BOUNDARY VALUE PROBLEM FOR IMPULSIVE FRACTIONAL DIFFERENTIAL INCLUSIONS VIA NONSMOOTH CRITICAL POINT THEORY", *Fractional Calculus and Applied Analysis*, 2015, Vol. 18, No. 6, pp. 1479–1491.
- [77] N. Nyamoradi, Rasoul Hamidi, "Variational Approach to solutions for a Class of Kirchhoff Type Fractional Differential Equations Without Compactness Conditions", *Journal of Contemporary Mathematical Analysis*, 2015, Vol. 50, No. 6, pp. 275–286.
- [76] Nemat Nyamoradi, " SOLUTIONS OF THE QUASILINEAR ELLIPTIC SYSTEMS WITH COMBINED CRITICAL SOBOLEV–HARDY TERMS", *Ukrainian Original Vol. 67, No. 6, June, 2015*.
- [75] Nemat Nyamoradi, Yong Zhou, " Homoclinic Orbits for a Class of Fractional Hamiltonian Systems via Variational Methods", *J Optim Theory Appl*, DOI 10.1007/s10957-016-0864-7.
- [74] Nyamoradi, Nemat; Rodríguez-López, Rosana; On boundary value problems for impulsive fractional differential equations. [*Appl. Math. Comput.* 271 \(2015\), 874–892](#)
- [73] Mohamad, Nemat Nyamoradi, " Dynamic analysis of a fractional order syste ", **International Journal of Biomathematics** 8(6) (2015), 1550076 (19 pages).
- [72] Nemat Nyamoradi, Mohamad javidi, Bashir Ahamad, "Dynamics of SVEIS epidemic model with distinct incidence", **International Journal of Biomathematics** 8(5) (2015), 1550076 (19 pages).
- [71] **Nemat Nyamoradi**, " Existence of solutions for a class of second-order differential equations with impulsive effects", *Mathematical Methods in the Applied Sciences* (2015) (Accepted).
- [70] N. Nyamoradi, Yong Zhou, "Existence of solutions for a Kirchhoff type fractional differential equations via minimal principle and Morse theory", **TOPOLOGICAL METHODS IN NONLINEAR ANALYSIS** 46 (2)(2015).
- [69] Nemat Nyamoradi, " Existence of solutions for a class of second-order differential equations with impulsive effects", **Mathematical Methods in the Applied Sciences** (2015) (In Press) DOI: 10.1002/mma.3421.

- [68] N. Nyamoradi, Rasoul Hamidi, "An extension of the Lax-Milgram theorem and its application to fractional differential equations", **Electronic Journal of Differential Equations**, Vol. 2015 (2015), No. 95, pp. 1-9.
- [67] Nemat Nyamoradi, Yu Tian, "Existence of solutions for second-order impulsive differential inclusions", **Mathematical Methods in the Applied Sciences** **38**(2015), 2229-2242.
- [66] Nemat Nyamoradi, Kaimin Teng, "Existence of solutions for a Kirchhoff-type-nonlocal operators of elliptic type", **Communication on Pure and Applied Analysis** **14**(1)(2015) 361-371.
- [65] Nemat Nyamoradi, Hossein Alaei dizaji, "Existence solution for nonlocal fractional differential equation", **Iranian journal of science and technology transaction A** (2015) (Accepted).
- [64] Nemat Nyamoradi, R. Hamidi, "Existence and multiplicity results for a fourth-order boundary value problem", *Scientific Annals of "Al.I. Cuza" University of Iasi* (2014) (Accepted).
- [63] Nemat Nyamoradi, "Existence of three solutions for Kirchhoff nonlocal operators of elliptic type", **Math. Commun.** **18**(2013), 489-502.
- [62] *N. Nyamoradi*, "EXISTENCE AND MULTIPLICITY OF SOLUTIONS TO STURM-LIOUVILLE BOUNDARY VALUE PROBLEM FOR IMPULSIVE DIFFERENTIAL INCLUSIONS" *Dynamics of Continuous, Discrete and Impulsive Systems A*, **20** (2013) 667-683.
- [61] *N. Nyamoradi, M. Javidi*, "STABILITY ANALYSIS OF SIR EPIDEMIC MODEL WITH LIMITED MEDICAL RESOURCES REVISITED" *Dynamics of Continuous, Discrete and Impulsive Systems B*, **21** (2014) 39-53.
- [60] *M. Javidi, N. Nyamoradi*, "DYNAMIC ANALYSIS OF A FRACTIONAL ORDER PHYTOPLANKTON MODEL" **Journal of Applied Analysis and Computation** **3** (4) (2013), 343-355.
- [59] *N. Nyamoradi, T. Bashiri, S.M Vaezpour, D. Baleanu*, "UNIQUENESS AND EXISTENCE OF POSITIVE SOLUTIONS FOR SINGULAR FRACTIONAL DIFFERENTIAL EQUATIONS" **Electronic Journal of Differential Equations**, Vol. 2014 (2014), No. 130, pp. 1-13.

[58] N. Nyamoradi, N. T. Chung , “EXISTENCE OF SOLUTIONS TO NONLOCAL KIRCHHOFF EQUATIONS OF ELLIPTIC TYPE VIA GENUS THEORY” **Electronic Journal of Differential Equations**, Vol. 2014 (2014), No. 86, pp. 1-12.

[57] Mohamad javidi, Nemat Nyamoradi, "A fractional-order toxin producing phytoplankton and zooplankton system", **International Journal of Biomathematics** 7(4) (2014) 1450039 (21 pages).

[56] Nemat Nyamoradi, Yong Zhou," Bifurcation results for a class of fractional Hamiltonian systems with Liouville–Weyl fractional derivatives", **Journal of Vibration and Control** 1–11, DOI: 10.1177/1077546314535827 (2015).

[55] Nemat Nyamoradi, Tsing-San HSU, " EXISTENCE OF MULTIPLE POSITIVE SOLUTIONS FOR SEMILINEAR ELLIPTIC SYSTEMS INVOLVING m CRITICAL HARDY-SOBOLEV EXPONENTS AND m SIGN-CHANGING WEIGHT FUNCTION", *Acta Mathematica Scientia* 34B(2) (2014) 483–500.

[54] Nemat Nyamoradi, Mohsen shekarbigi, A. Razlansari, M. Yavari, " The Nehari Manifold and Application to a Quasilinear Elliptic Equation with Multiple Hardy-type Terms", *J. Partial Diff. Eqs.* **26**(3) (2013) 1-24.

[53] Nemat Nyamoradi, Mohsen shekarbigi, " On Quasilinear Elliptic Systems Involving Multiple Critical Exponents", *International Journal of Mathematical Modelling & Computations* 03 (3) (2013) 217- 236.

[52] Nemat Nyamoradi, Mohsen shekarbigi, " EXISTENCE AND ULTIPLICITY OF SOLUTIONS FOR SEMILINEAR ELLIPTIC SYSTEMS INVOLVING HARDY–SOBOLEV CRITICAL NONLINEARITY", *Diferential Equation Application* 4 (2013), 561–576.

[51] Nemat Nyamoradi, Yong Zhou," Multiple solutions for a nonlinear fractional boundary value problems via variational methods", *Fixed Point Theory* , 17(2016), No. 1, 111-122.

[50] Nemat Nyamoradi, Mohammad javidi," Numerical Behavior of a Fractional Order HIV/AIDS Epidemic Model", *World Journal of Modelling and Simulation*, 9 (2)(2013) 139-149.

[49] Nemat Nyamoradi," Multiplicity results for a class of fractional

boundary value problems", ANNALES POLONICI MATHEMATICI, 109 (1)(2013) 59-73.

[48] Nemat Nyamoradi, "Existence and multiplicity of solutions for second-order impulsive differential inclusion", Journal of Contemporary Mathematical Analysis , 49(1) (2014) 33–41.

[47] Nemat Nyamoradi, " Positive solutions for multi-point boundary value problems for nonlinear fractional differential equation", Journal of Contemporary Mathematical Analysis , 48(4) (2013) 145–157.

[46] Nemat Nyamoradi, Mohsen shekarbigi, " Existence of positive solutions for a quasilinear elliptic system involving critical Sobolev-Hardy exponents and concave-convex nonlinearities", Arabian Journal of Mathematics 2 (2013) 365–379.

[45] Nemat Nyamoradi, "Multiplicity results for a class of fractional boundary value problems depending on two parameters", Nonlinear Studies 20(1) (2013) 57-72.

[44] Mohamad javidi, Nemat Nyamoradi, "A numerical scheme for solving multi-term fractional differential equations", Commun. Frac. Calc. 4 (1) (2013) 38-49.

[43] Mohamad javidi, Nemat Nyamoradi, "Dynamic analysis of a fractional order prey-predator interaction with harvesting", Applied Mathematical Modelling 37 (2013) 8946–8956.

[42] Mohamad javidi, Nemat Nyamoradi, "Numerical behavior of a fractional fifth order dissipative system of magnetoconvection", Applied Mathematical Modeling 37 (2013) 7653–7663).

[41] Nemat Nyamoradi, Mohamad javidi, "Dynamic Analysis of a Fractional-Order Rikitake System", Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications Algorithms 20(2) (2013) 189-204.

[40] Mohamad javidi, Nemat Nyamoradi, "Numerical Chaotic Behavior of Fractional Order Newton-Leipnik System", Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications Algorithms 20(3) (2013) 313-331.

- [39] Nemat Nyamoradi, "The Nehari Manifold and its Application to a Fractional Boundary Value Problem", *Differential Equations and Dynamical Systems* 21(4) (2013) 323–340
- [38] N. Nyamoradi, Yong Zhou, "Infinitely many solutions for a perturbed nonlinear fractional boundary value problems depending on two parameters", *The European Physical Journal Special Topics* 222 (2013) 1999–2013.
- [37] N. Nyamoradi, "Infinitely Many Solutions for a Class of Fractional Boundary Value Problems with Dirichlet Boundary Conditions", *Mediterranean Journal of Mathematics* 11 (2014) 75–87.
- [36] *N. Nyamoradi*, "A variational approach to a singular elliptic system involving critical Sobolev-Hardy exponents and concave-convex nonlinearities", *Mathematical Sciences* (2013), 7:11.
- [35] *N. Nyamoradi*, Dumitru Baleanu, Ravi P. Agarwal, "Existence and uniqueness of positive solutions to fractional boundary value problems with nonlinear boundary conditions", *Advances in Difference Equations* 2013, **2013**:266.
- [34] *N. Nyamoradi*, Dumitru Baleanu, Ravi P. Agarwal, "On a Multipoint Boundary Value Problem for a Fractional Order Differential Inclusion on an Infinite Interval", *Advances in Mathematical Physics*, (2013), Article ID 823961, 9 pages, 10.1155/2013/823961.
- [33] *N. Nyamoradi*, Dumitru Baleanu, Tahereh Bashiri, "Positive Solutions to Fractional Boundary Value Problems with Nonlinear Boundary Conditions", *Abstract Applied Anal.*, (2013), Article ID 579740, 20 pages, 10.1155/2013/579740.
- [32] *N. Nyamoradi*, "Multiplicity of positive solutions to weighted nonlinear elliptic system involving critical exponents", *Science China Mathematics* 56(9) (2013) 1831–1844.
- [31] *N. Nyamoradi*, K. Ghanbari, T. Haghi "The existence of multiple solutions for multi point boundary value problems" *Journal of Advanced Research in Applied Mathematics*, (2013) 1-13.
- [30] *N. Nyamoradi*, "EXISTENCE OF SOLUTIONS FOR TWO POINT BOUNDARY VALUE PROBLEMS FOR FRACTIONAL

DIFFERENTIAL EQUATIONS WITH P-LAPLACIAN”, *Acta Universitatis Apulensis*, 32 (2012) 85-101.

[29] *N. Nyamoradi*, “ON A p-LAPLACIAN SYSTEM WITH CRITICAL HARDY–SOBOLEV EXPONENTS AND CRITICAL SOBOLEV EXPONENTS” *Ukrainian Mathematical Journal*, 64 (6) (2012), 912–929.

[28] *N. Nyamoradi, Tahereh Bashiri*, “Existence of positive solutions for fractional differential systems with multi point boundary conditions” *Annali dell’Università di Ferrara* , 59 (2013) 375-392.

[27] *N. Nyamoradi*, “Multiple positive solutions for fractional differential systems” *Annali dell’Università di Ferrara* 58 (2012), 359–369.

[26] *N. Nyamoradi, Tahereh Bashiri*, “MULTIPLE POSITIVE SOLUTIONS FOR NONLINEAR FRACTIONAL DIFFERENTIAL SYSTEMS” *Fractional Differential Equation* 2 (2) (2012), 119–128.

[25] *N. Nyamoradi*, “EXISTENCE OF POSITIVE SOLUTIONS FOR A SINGULAR PROBLEMS OF CAFFARELLI–KOHN–NIRENBERG–LIN TYPE” *Differential Equation and Application* 4 (4) (2012), 615–635.

[24] *N. Nyamoradi*, “Existence Results of Positive Solutions to Boundary Value Problem for Fractional Differential Equation” *Journal of Advanced Research in Dynamical and control system* 4 (1) (2012), 24-36.

[23] *N. Nyamoradi*, “Multiple Positive Solutions for Fractional Differential Systems with Two Parameters” *Journal of Advanced Research in Applied Mathematics* 4 (2) (2012), 40-50.

[22] *N. Nyamoradi*, “Existence of solutions for multi point boundary value problems for fractional differential equation” *Arab Journal of Mathematical Sciences* 43 (5) (2012), 429-454.

[21] *N. Nyamoradi*, “A six-point nonlocal integral boundary value problem for fractional differential equations” *Indian Journal of Pure and Applied Mathematics* 43 (5) (2012), 429-454.

- [20] *N. Nyamoradi*, “Existence of positive solutions for third-order boundary value problems” *The Journal of Mathematics and Computer Science* 42 (1) (2012), 8-18.
- [19] *N. Nyamoradi, M. Javidi*, “POSITIVE SOLUTIONS FOR FRACTIONAL DIFFERENTIAL EQUATIONS WITH P-LAPLACIAN” *Journal of Nonlinear Analysis and Optimization* 3 (2) (2012), 239-253.
- [18] *N. Nyamoradi, M. Javidi*, “QUALITATIVE AND BIFURCATION ANALYSIS USING A COMPUTER VIRUS MODEL WITH A SATURATED RECOVERY FUNCTION” *Journal of Applied Analysis and Computation* 2 (2) (2012), 305-313.
- [17] *N. Nyamoradi, M. Javidi*, “Existence of multiple positive solutions for fractional differential inclusions with m -point boundary conditions and two fractional orders” *Electronic Journal of Differential Equations*, Vol. 2012 (2012), No. 187, pp. 1–26.
- [16] *N. Nyamoradi, M. Javidi*, “Existence of solutions to quasilinear elliptic systems with combined critical Sobolev-Hardy terms” *Electronic Journal of Differential Equations*, Vol. 2012 (2012), No. 169, pp. 1–18.
- [15] *N. Nyamoradi, M. Javidi*, “Sliding mode control of uncertain unified chaotic fractional-order new Lorenz-like system” *Dynamics of Continuous, Discrete and Impulsive Systems B, Algorithms* 20 (1) (2013) 63-82.
- [14] *M. Javidi, N. Nyamoradi*, “A Spectral Collocation Method Based on Chebyshev Polynomials for the Generalized Zakharov Equation” *Dynamics of Continuous, Discrete and Impulsive Systems B*, 19 (2012) 741-754.
- [13] *N. Nyamoradi*, “Existence and multiplicity of solutions to a singular elliptic system with critical Sobolev–Hardy exponents and concave–convex nonlinearities” *J. Math. Anal. Appl.* 396 (2012) 280–293.
- [12] *N. Nyamoradi, M Alimohammady*, “Positive solutions for nonlinear systems of third-order generalized Sturm-Liouville boundary value problems with (p_1, p_2, \dots, p_n) -Laplacian” *Caspian Journal of Mathematical Sciences*. 2(2)(2013), 9-17.

- [11] *N. Nyamoradi*, “Existence of positive solutions of fourth-order boundary value problems with three- point boundary condition” *Caspian Journal of Mathematical Sciences*. **1**(1)(2012), 13-22.
- [10] *N. Nyamoradi*, “The Nehari manifold for a Navier boundary value problem involving the p -biharmonic” *Iranian Journal of Science & Technology* , (2011) A2: 149-155.
- [9] *N. Nyamoradi*, “EXISTENCE OF THREE POSITIVE SOLUTIONS FOR A SYSTEM OF NONLINEAR THIRD-ORDER ORDINARY DIFFERENTIAL EQUATIONS” *Electronic Journal of Differential Equations*, Vol. 2011 (2011), No. 144, pp. 1–7.
- [8] *N. Nyamoradi*, “Positive solutions for system of third-order generalized Sturm-Liouville boundary value problems with (p,q) -Laplacian” *Electronic Journal of Differential Equations*, Vol. 2011 (2011), No. 139, pp. 1–10.
- [7] *N. Nyamoradi*, “Positive solutions for system of third-order generalized Sturm-Liouville boundary value problems with p -Laplacian” *Journal of Advanced Research in Differential Equations*, Volume 3, Issue 4, 2011 pp. 30 - 39.
- [6] *N. Nyamoradi*, “Existence of multiple positive solutions for semilinear elliptic systems involving critical Hardy-Sobolev exponents and sign-changing weight function” *Mathematical Modelling and Analysis*, **17** (3), (2012) 330–350.
- [5] *N. Nyamoradi, Hamid R. Z. Zangeneh*, “Linear estimate of the number of zeros of Abelian Integrals for kind of quintic Hamiltonians”, *Bulletin of the Iranian Mathematical Society* Vol. 97 No. 2 (2011), pp 97-112.
- [4] *G. Hossian Erjaee, Hamid. R. Z. Zangeneh and N. Nyamoradi*, “Limit cycle of a class of Hilbert’s sixteenth problem presented by Fractional differential equations, *Advances in Difference Equations*, Volume 2010, Article ID 938180, 12 pages, doi:10.1155/2010/938180.
- [3] *N. Nyamoradi, A. Atabaigi and Hamid R. Z. Zangeneh*, “The number of limit cycle of a quintic polynomial system ”, *Balkan Journal of Geometry and Its Application* Volume 13 (2008), 1-11.

[2] N. Nyamoradi, A. Atabaigi and Hamid R. Z. Zangeneh, "The number of limit cycle of a quintic polynomial system", *Computers and Mathematics with Applications*, Volume 57 (2009), 677-684.

[1] N. Nyamoradi, A. Atabaigi and Hamid R. Z. Zangeneh, "The number of limit cycle of a quintic polynomial system with center", *Nonlinear Analysis*, Volume 71 (2009), 3008-3017.

Papers in Conferences:

1. "The number of limit cycle of a quintic polynomial system with center", 8-Th Differential Equation and Dynamical system Conference, Isfahan University of Technology, Isfahan, Iran, July 2008. (Joint work with Hamid R. Z. Zangeneh)
2. "Linear estimate of the number of zeros of Abelian integrals for kind of quintic Hamiltonians", 8-Th Differential Equation and Dynamical system Conference, Isfahan University of Technology, Isfahan, Iran, July 2008. (Joint work with Hamid R. Z. Zangeneh and A. Atabaigi)
3. "POSITIVE SOLUTIONS FOR SYSTEM OF THIRD-ORDER GENERALIZED STURM-LIOUVILLE BOUNDARY VALUE PROBLEMS WITH (P,Q)-LAPLACIAN", 19th Mathematical Seminar On Analysis and its applications 19-20 February 2011, University of Mazandaran, Babolsar, Iran.
4. "Existence of three solution for class of fractional boundary value problems", 19th international conference on applied and industrial mathematics, Iasi, Sept 22-25, 2011.
5. "Existence of positive solutions for third-order boundary value problems", 23rd International Conference on Operator Theory June 29 - July 4, 2010, West University of Timisoara Timisoara, Romania.
6. "THE NEHARI MANIFOLD AND APPLICATION ON KIRCHHOFF TYPE SYSTEM", International Conference on Differential & Difference Equations and Applications, Department of Mathematics, Azores University, Ponta Delgada, Portugal July 4 - 8, 2011 (Joint work with Mansour Fatahi).

7.” ON A P-LAPLACE SYSTEM INVOLVING MULTIPLE CRITICAL EXPONENTS” International Conference on Differential & Difference Equations and Applications, Department of Mathematics, Azores University, Ponta Delgada, Portugal
July 4 - 8, 2011.

8. “Positive solutions for fractional differential equations with p -Laplacian”, 20th Seminar on Mathematical Analysis and Its Applications July 9-11, 2012, University of Maragheh (Joint work with Nahid Jamshidi).

9. “Some results of positive solutions for fractional differential equations with p -Laplacian”, 43rd Annual Iranian Mathematics Conference, 27-30 August 2012 University of Tabriz (Joint work with Tahereh Bashiri).

10. “Existence of positive solutions for a system of fractional boundary value problems”, 43rd Annual Iranian Mathematics Conference, 27-30 August 2012 University of Tabriz (Joint work with Kazem Ghanbari2, Tahereh Haghi).

11. “Existence of three positive solutions for fractional differential systems with operator theory”, The 1st Seminar on Operator Theory and its Applications , 23-24 May 2012 Mazandaran university (Joint work with Tahereh Bashiri).

12. “Existence of solutions for fractional differential equations by Operator Theory”, The 1st Seminar on Operator Theory and its Applications , 23-24 May 2012 Mazandaran university (Joint work with Tahereh Haghi).

13. “Existence of two positive solutions for quasilinear elliptic systems involving critical Hardy-Sobolev exponents”, The 1st Seminar on Operator Theory and its Applications, 23-24 May 2012 Mazandaran university (Joint work with Mohsen Shekarbigi).

14. “Positive solutions for multi-point boundary value problem for fractional differential equations”, The 5th Mathematical conference of Payame Noor university, Iran, Shiraz, 24-25 October 2012 (Joint work with Hossain Aelaei).

15. “Infinitely solutions for a Quasilinear Elliptic problem involving the nonlinear boundary condition”, The 5th Mathematical conference of Payame Noor university, Iran, Shiraz, 24-25 October 2012 (Joint work with Hossain Aelaei).

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Teaching Experiences:

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- Real analysis
- Theory of Fractional differential equation
- Theory of Ordinary differential equation
- Theory of critical point theory
- Partial differential equations I
- Functional Analysis I
- Functional Analysis II
- Dynamical system I
- Dynamical system II
- Mathematical Biology

B.S.c:

- Calculus I, II , III
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